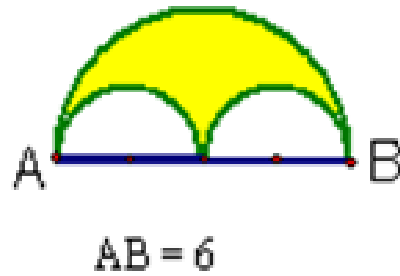


Test tomorrow

Parall. bh
 \square bh
 \square s^2
 Rhomb $= \frac{1}{2} d_1 \times d_2$
 Kite $= \frac{1}{2} d_1 \times d_2$
 Trap $= \frac{1}{2} h (b_1 + b_2)$
 $Eg \Delta = \frac{s^2 \sqrt{3}}{4}$
 $\Delta = \frac{1}{2} bh$ Length 8
 Ray Poly $= \frac{1}{2} ap$ arc $\frac{360}{25\pi}$
 Circle $= \pi r^2$
 Sector $= \frac{\theta}{360} \pi r^2$

Shaded Areas
 Probability
 SF of Ratio Area of
 SOHCAHTOA
 $\frac{30/60/90}{x/x/3/2x}$ $\frac{45/45/90}{x/x/x/2x}$

#1 Find the area of the shaded region.

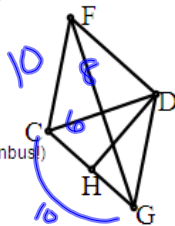


#2

Rhombus CGDF
 FG = 16
 CD = 12

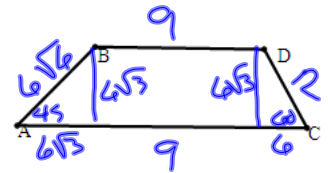
DH is an altitude. Find its length.
 (Remember, Area can be found 2 ways for a rhombus)

Area = $\frac{96 \times 12}{2} = \frac{1}{2} 16 \cdot 12$
 CG = $\frac{96}{10}$
 DH = 9.6



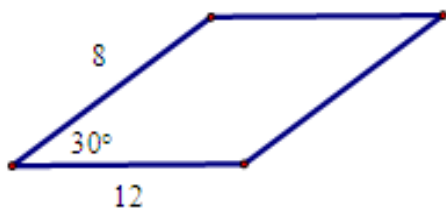
$A = bh$
 $96 = 10 \cdot h$

#3 Trapezoid ABCD
 $m\angle BAC = 45^\circ$
 $m\angle DCA = 60^\circ$
 BD = 9
 DC = 12
 Find Area and Perimeter.

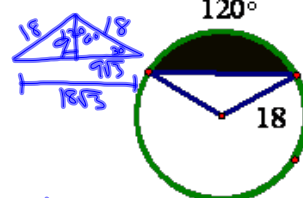


A = _____
 P = _____

#4 Find the area of the parallelogram.



#5

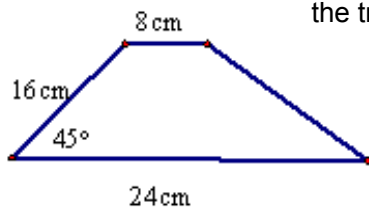


What is the probability that a point chosen at random would lie in the shaded region?

$$\frac{A_{\text{sector}} - A_{\Delta}}{A_{\text{circle}}}$$

$$\frac{\frac{120}{360} 18^2 \pi - \frac{1}{2} 9 \cdot 18\sqrt{3}}{18^2 \pi}$$

 $P = .20$



#6 Find the area of the trapezoid.

#7 Find the area of an octagon with an apothem of 7 cm.